
CLAIMS

I CLAIM :

- (1) Using an inverted (low) DC Voltage Pulse generated a by a conventional designed commercial Smoke Detector (Ionization Chamber), when energize by the existence of smoke, to trigger start a first monostable 555 timer circuit, that produce an positive-going output voltage pulse, designed for thirty seconds.
- (2) The positive-going output voltage pulse produced by the first timer circuit in claim 1, is coupled through two NOT gate inverters, powered-up the second monostable 555 timer circuit, that is designed to produce a dual twenty-four seconds positive-going output voltage pulses (A and B).
- (3) The (A) output voltage pulse in claim 2, of the second 555 timer circuit provide the voltage pulse for the twenty-four seconds " false alarm " visual lamp indicator, at the same time, through an NOT gate inverted voltage input pulse, trigger start the third timer monostable 555 timer circuit . The two-hundred and four seconds positive-going voltage pulse produced by the third 555 timer circuit is designed to

provide the voltage pulse for the second lamp indicator, that visual indicate which source smoke detector had been triggered by the existence of smoke after the twenty-four seconds false alarm time interval have end.

(4) The (B) output voltage pulse in claim 2, of the second 555 timer circuit is connected to the input trigger circuit of the transmitter. At the end of the twenty-four seconds time interval the voltage pulse goes low energizing commercial RF tuned codelocked transmitter circuit, generating an RF signal that actuate commercial RF tuned codelocked receivers circuits used to protect single building. When receivers circuits is energized, a voltage is switched on by the receivers output circuits, that powered-up tone generators circuits that produce an audible signal in the areas to be protected.

(5) Smoke detectors used to protect areas in single building are embodiment with Radio Frequency tuned code lock transmitters and receivers circuits.

(6) The system contains circuitry for resetting the individual smoke detector and system. The system and individual smoke detector trigger by the existence of smoke can be reset from another smoke detector unit other than the one that trigger by the existence of smoke if user's desire. System can be reset by manual RF tuned code-locked switch on smoke detectors units or by hand held RF tuned codelocked remote control unit.

(7) Resetting individual smoke detector and system in claim 6. To reset individual smoke detector that is triggered by the existence of smoke and system before the false alarm period end, by pressing twice in succession manual RF tuned codelocked switch on smoke detectors units or by hand held RF tuned codelocked remote switch on unit. To reset system after the twenty-fours second false alarm period have end. By pressing once manual RF tuned codelocked switch on smoke detectors units or by hand held RF tuned codelocked switch on remote unit.